

DATA ITEM DESCRIPTION

Title: RELIABILITY CENTERED MAINTENANCE (RCM) MAINTENANCE REQUIREMENT INDEX (MRI)

Number: DI-SESS-80986A

AMSC Number: N9169

DTIC Applicable: N/A

Office of Primary Responsibility: SH/SEA 04RM

Applicable Forms: N/A

Approval Date: 20100923

Limitation: N/A

GIDEP Applicable: N/A

Use/Relationship:

The Reliability Centered Maintenance (RCM) Maintenance Requirement Index (MRI) summarizes the tasks identified by the logic tree analysis, servicing and lubrication analysis, corrective maintenance analysis, and inactive equipment maintenance analysis.

This Data Item Description (DID) contains the format, content, preparation instructions and intended use for the data deliverable resulting from the work task described in 5.1.9 of MIL-STD-3034.

This DID is related to DI-SESS-80979A, RCM Master System and Subsystem Index (MSSI); DI-SESS-80994A, RCM Functional Block Diagram (FBD); DI-SESS-80981A, RCM Functional Failure Analysis (FFA) Report; DI-SESS-80983A, RCM Additional Functionally Significant Item (AFSI) Selection Report; DI-SESS-80982A, RCM Functionally Significant Items (FSI) Index; DI-SESS-80980A, RCM Failure Modes and Effects Analysis (FMEA) Report; DI-SESS-80984A, RCM Logic Tree Analysis (LTA) with Supporting Rationale and Justification Report; DI-SESS-80985A, RCM Servicing and Lubrication Analysis (SLA) Report; DI-SESS-81829, RCM Corrective Maintenance (CM) Development Report; DI-SESS-80989A, RCM Inactive Equipment Maintenance (IEM) Requirement Analysis Report; DI-SESS-80988A, RCM Task Definition Report; DI-SESS-80987A, RCM Procedure Validation Report.

This DID supersedes DI-MNTY-80986.

Requirements:

1. Reference documents. The applicable issue of documents cited herein, including approval dates and dates of any applicable amendments, notices, and revisions, shall be as cited in the contract.

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2. Format. The report shall be in Contractor's format and shall be presented in the electronic database specified in the contract.

3. Content. The report shall contain all the information specified in the sample form of Figure 1 of this DID as follows:

3.1 Block 1. ESWBS number. Enter the highest indenture level Expanded Ship Work Breakdown Structure (ESWBS) number for the development group assigned. If an entire group is assigned, this number is a level 1 ESWBS number, a three digit number containing two zeros; for example, 100,200.

3.2 Block 2. Nomenclature. Duplicate the entry on the Master Systems and Subsystems Index (MSSI) form, block 9, for the subsystem under analysis.

3.3. Block 3. Ship class. Duplicate the entry on the MSSI form, block 3.

3.4 Block 4. Prepared by. Enter the analyst's name and the date.

3.5 Block 5. Reviewed by. Enter the first level reviewer's name and the date.

3.6 Block 6. Approved by. Reserved for maintenance coordinating activity approval signature and the date.

3.7 Block 7. Revision. Enter Original, A, B, or C, sequentially as appropriate and date.

3.8 Block 8. Task number. Task numbers are derived from the phase which generated the task as outlined below:

a. For each task identified in the Logic Tree Analysis (LTA) enter a sequential task number in the format LTA-1, LTA-2, etc.

b. For each task identified in Servicing and Lubrication Analysis (SLA) enter a sequential task number in the format SLA-1, SLA-2, etc.

c. For each task identified in Inactive Equipment Maintenance (IEM) Requirement Analysis enter a sequential task number in the format IEM-1, IEM-2, etc.

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d. For each task identified in Corrective Maintenance (CM) Development, enter a sequential task number in the format CM-1, CM-2, etc.

3.9 Block 9. Nomenclature. Enter the name or description of the component on which the task is performed.

3.10 Block 10. Task Description. Enter a brief task description. This should be in the form of a sentence and be specific enough to convey the purpose of the task, e.g. "Lubricate bevel gear".

3.11 Block 11. RCM task type. For planned maintenance tasks, enter the RCM task type, i.e., "CD" for condition-directed, "TD" for Time-directed, "FF" for failure finding, or "SL" for servicing & lubrication.

3.12 Block 12. Reference. Enter the identification data for the publication that satisfies the task requirement or can be used as a baseline to assist in developing the task procedure. If no publication is available enter "None".

3.13 Block 13. Level of Maintenance. Enter the Level of Maintenance, either O for Organizational, I for Intermediate or D for Depot Level.

3.14 Block 14. Periodicity. Enter the initial periodicity for the maintenance task. The initial periodicity for a maintenance task may be based upon similar existing tasks for the equipment, original equipment manufacturer (OEM) guidelines, Naval Ships' Technical Manual (NSTM) guidelines, or best engineering judgment, et al.

3.15 Block 15. Serial number. Enter a four segment serial number as follows:

a. Segment 1 - Enter the developing organization abbreviation followed by a slant (/).

b. Segment 2 - For developers, enter the development authorization number followed by a slant (/); for other development activities, assign a development number followed by a slant (/).

c. Segment 3 - Enter the number 123, indicating the Maintenance Requirement Index followed by a slant (/).

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- d. Segment 4 - Enter the ESWBS number from block 1.
4. End of DI-SESS-80986A.

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1. ESWBS NUMBER		2. NOMENCLATURE				3. SHIP CLASS		SH OF	
4. PREPARED BY DATE:			5. REVIEWED BY DATE:		6. APPROVED BY DATE:		7. REVISION DATE:		
8. TASK NUMBER	9. NOMENCLATURE	10. TASK DESCRIPTION			11. RCM TASK TYPE	12. REFERENCE / PUBLICATION	13. LEVEL OF MAINTENANCE	14. PERIODICITY	
					15. SERIAL NUMBER				

MAINTENANCE REQUIREMENTS INDEX

FIGURE 1. MAINTENANCE REQUIREMENT INDEX